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(54) DIPHENYLUROPYRIMIDINE DERIVATIVE, ITS PRODUCTION AND HERBICIDE CONTAINING THE SAME DERIVATIVE AS ACTIVE INGREDIENT

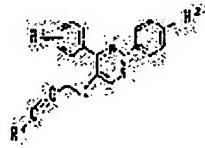
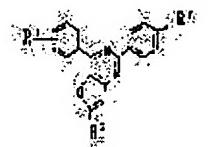
(57)Abstract:

NEW MATERIAL:A diphenylfuropyrimidine derivative expressed by formula I (R1 is halogen, lower alkyl, lower haloalkyl, lower alkoxy, lower alkylthio, lower haloalkoxy or lower haloalkylthio which is situated to ortho or meta position; R2 is H, halogen or lower haloalkyl; R3 is lower alkyl).

EXAMPLE: 5-Methylfuro[3,2-d]-2-phenyl-4-(3-chlorophenyl)pyrimidine.

USE: Useful as a herbicide. The compound expressed by formula I has excellent weeding effects on various weeds to be the cause of problems in treating foliage and soil in farm and further in treating heated water in paddy field, and exhibits an excellent selectivity between a main crop such as rice and weeds.

PREPARATION: A pyrimidine derivative expressed by formula II (R4 is H or lower alkyl) is



heated to provide the compound expressed by formula I. The above-mentioned reaction is carried out at 100-300°C without using any solvent or, otherwise, in a solvent such as decalin.

LEGAL STATUS

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